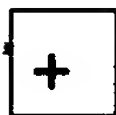


08/27/03
02570 U.S. PTO

Please type a plus sign (+) inside this box



PTO/SB/05 (05-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	01925- P0216A
First Inventor	Robert L. Koelzer, et al.
Title	Pump Valve Assembly
Express Mail Label No.	EL 889849557US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
- ☐ Applicant claims small entity status
See 37 CFR 1.27.
- ☒ Specification [Total Pages **18**]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims(s)
 - Abstract of the Disclosure
- ☒ Drawings(s) (35 USC 113) [Total Sheets **5**]
- Oath or Declaration [Total Pages **2**]
 - ☒ New executed (original or copy)
 - ☐ Copy from prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Commissioner for Patents
Mail Stop Patent Application
Alexandria, VA 22313-1450

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - ☐ Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - ☐ CD-ROM or CD-R (2 copies); or
 - ☐ paper
- ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
- ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 of its equivalent.
- ☐ Other.....

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part of prior application No.:

Prior application information: Examiner Group/Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

☒ Customer Number of Bar Code Label

24126
(Insert Customer No. or Attach bar code label here)

☒ Correspondence address below

Name	Wesley W. Whitmyer, Jr.				
Address	St. Onge Steward Johnston & Reens LLC 986 Bedford Street				
City	Stamford	State	CT	Zip Code	06905-5619
Country	United States	Telephone	203 324-6155	Fax	203 327-1096

Name (Print/Type)	Wesley W. Whitmyer, Jr.	Registration No. (Attorney/Agent)	33,558
Signature			Date 8/26/2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce; P.O. Box 1450; Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop CPA; Commissioner for Patents; P.O. Box 1450; Alexandria, VA 22313-1450.

22388 U.S. PTO
10/648881
08/27/03

02570 U.S. PTO
08/27/03

PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

Complete if Known

Application No.	- Pending
Filing Date	August 26, 2003
First Named Inventor	Robert L. Koelzer, et al.
Examiner Name	
Group Art Unit	

TOTAL AMOUNT OF PAYMENT	(\$)	790.00	Attorney Docket Number	01925-P0216A WWW/DWA
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METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payment to:

Deposit Account Number: 19-4516

Deposit Account Name: St.Onge Steward Johnston & Reens LLC

☒ Charge Any Additional Fee Required Under CFR 1.16 and 1.17
☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	
101	750	201	375	Utility filing fee	750.00	
106	330	206	165	Design filing fee		
107	520	207	260	Plant filing fee		
108	740	208	370	Reissue filing fee		
114	160	214	80	Provisional filing fee		
SUBTOTAL (1)					(\$)	750.00

2. EXTRA CLAIMS FEES

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from Below	Fee Paid
12	-20**=	0	X		0.00
2	-3**=	0	X		0.00

Large Fee Code: 103, Entity Fee (\$): 18, Small Fee Code: 203, Entity Fee (\$): 9, Fee Description: Claims in excess of 20

Large Fee Code: 102, Entity Fee (\$): 84, Small Fee Code: 202, Entity Fee (\$): 42, Fee Description: Independent claims in excess of 3

Large Fee Code: 104, Entity Fee (\$): 280, Small Fee Code: 204, Entity Fee (\$): 140, Fee Description: Multiple dependent claims, if not paid

Large Fee Code: 109, Entity Fee (\$): 80, Small Fee Code: 209, Entity Fee (\$): 40, Fee Description: ** Reissue independent claims over original patent

Large Fee Code: 110, Entity Fee (\$): 18, Small Fee Code: 210, Entity Fee (\$): 9, Fee Description: ** Reissue claims in excess of 20 and over original patent

** or number previously paid, if greater; For Reissues, see above

SUBTOTAL (2) (\$)

0.00

3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing for or oath	
127	50	227	25	Surcharge - late provisional filing or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840	Requesting publication of SIR after Examiner Action	
115	110	215	55	Extension for reply within first month	
116	410	216	205	Extension for reply within second month	
117	930	217	465	Extension for reply within third month	
118	1,450	218	725	Extension for reply within fourth month	
128	1,970	228	985	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,300	241	650	Petition to revive - unintentional	
142	1,300	242	650	Utility issue fee (or reissue)	
143	470	243	235	Design issue fee	
144	630	244	315	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	240	126	240	Submission of Informational Disclosure Stmt	
581	40	581	40	Recording each patent assignment per Property (times number of properties)	40.00
146	750	246	375	Filing a submission after final rejection (37CFR § 1.129(a))	
149	750	249	375	For each additional invention to be examined (37 CFR 1.129(b))	
179	750	279	375	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

* Reduced by Basic Filing Fee paid

SUBTOTAL (3) (\$)

SUBMITTED BY St.Onge Steward Johnston & Reens LLC

Complete (if applicable)

Name (Print Type)	Wesley W. Whitmyer, Jr.	Registration No. (Attorney/Agent)	33,558	Telephone	203 324-6155
Signature				Date	8/26/2003

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